

Wojciech Pacuski

List of Publications by Year in descending order

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107
papers

1,306
citations

394286

19
h-index

434063

31
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107
all docs

107
docs citations

107
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Angle-resolved optically detected magnetic resonance as a tool for strain determination in nanostructures. <i>Physical Review B</i> , 2022, 105, .	1.1	2
2	Neural Networks Based on Ultrafast Time-Delayed Effects in Exciton Polaritons. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
3	Neuromorphic Binarized Polariton Networks. <i>Nano Letters</i> , 2021, 21, 3715-3720.	4.5	28
4	Polariton lasing and energy-degenerate parametric scattering in non-resonantly driven coupled planar microcavities. <i>Nanophotonics</i> , 2021, 10, 2421-2429.	2.9	5
5	Enhanced Exciton Binding Energy, Zeeman Splitting and Spin Polarization in Hybrid Layered Nanosheets Comprised of (Cd, Mn)Se and Nitrogen-Doped Graphene Oxide: Implication for Semiconductor Devices. <i>Nanotechnology</i> , 2021, 32, .	1.3	0
6	Hybrid Semimagnetic Polaritons in a Strongly Coupled Optical Microcavity. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7619-7624.	2.1	1
7	Molecular Beam Epitaxy of a 2D Material Nearly Lattice Matched to a 3D Substrate: NiTe ₂ on GaAs. <i>Crystal Growth and Design</i> , 2021, 21, 5773-5779.	1.4	8
8	Heteroepitaxial Growth of High Optical Quality, Wafer-Scale van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47904-47911.	4.0	14
9	Impact of Stripe Shape on the Reflectivity of Monolithic High Contrast Gratings. <i>ACS Photonics</i> , 2021, 8, 3173-3184.	3.2	3
10	Charge transport in MBE-grown 2H-MoTe ₂ bilayers with enhanced stability provided by an AlO _x capping layer. <i>Nanoscale</i> , 2020, 12, 16535-16542.	2.8	8
11	Long-distance coupling and energy transfer between exciton states in magnetically controlled microcavities. <i>Communications Materials</i> , 2020, 1, .	2.9	11
12	Direct Interbranch Relaxation of Polaritons in a Microcavity with Embedded CdSe/(Cd,Mg)Se Quantum Wells. <i>Journal of Electronic Materials</i> , 2020, 49, 4531-4536.	1.0	1
13	Charged Exciton Dissociation Energy in (Cd,Mn)Te Quantum Wells with Variable Disorder and Carrier Density. <i>Journal of Electronic Materials</i> , 2020, 49, 4512-4517.	1.0	1
14	Narrow Excitonic Lines and Large-Scale Homogeneity of Transition-Metal Dichalcogenide Monolayers Grown by Molecular Beam Epitaxy on Hexagonal Boron Nitride. <i>Nano Letters</i> , 2020, 20, 3058-3066.	4.5	35
15	Distributed Bragg reflector made of CdSe and ZnTe. <i>Superlattices and Microstructures</i> , 2020, 139, 106422.	1.4	0
16	Photoluminescence of CdTe quantum wells doped with cobalt and iron. <i>Journal of Luminescence</i> , 2020, 221, 117047.	1.5	9
17	Ultra-long-working-distance spectroscopy of single nanostructures with aspherical solid immersion microlenses. <i>Light: Science and Applications</i> , 2020, 9, 48.	7.7	28
18	Readout of a dopant spin in the anisotropic quantum dot with a single magnetic ion. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 455301.	0.7	0

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19	Interaction of Te and Se interlayers with Ag or Au nanofilms in sandwich structures. Beilstein Journal of Nanotechnology, 2019, 10, 238-246.	1.5	4
20	Triple threshold lasing from a photonic trap in a Te/Se-based optical microcavity. Communications Physics, 2019, 2, .	2.0	9
21	Direct Measurement of Hyperfine Shifts and Radio Frequency Manipulation of Nuclear Spins in Individual CdTe/ZnTe Quantum Dots. Physical Review Letters, 2019, 122, 096801.	2.9	6
22	Giant spin Meissner effect in a nonequilibrium exciton-polariton gas. Physical Review B, 2019, 99, .	1.1	13
23	Light Emitting Spin Active Electronic States in Ultra-Thin Mn Doped CdSe Layered Nanosheets. Scientific Reports, 2019, 9, 1804.	1.6	11
24	MnSe - Molecular Beam Epitaxy Growth and Optical Characterisation. Acta Physica Polonica A, 2019, 136, 598-602.	0.2	6
25	Direct determination of the zero-field splitting for a single Co^{2+} ion embedded in a CdTe/ZnTe quantum dot. Physical Review B, 2018, 97, .		
26	Spin polarized semimagnetic exciton-polariton condensate in magnetic field. Scientific Reports, 2018, 8, 6694.	1.6	8
27	Permittivity of Ge, Te and Se thin films in the 200–1500 nm spectral range. Predicting the segregation effects in silver. Materials Science in Semiconductor Processing, 2018, 81, 64-67.	1.9	48
28	Optical fiber micro-connector with nanometer positioning precision for rapid prototyping of photonic devices. Optics Express, 2018, 26, 11513.	1.7	20
29	(Cd,Zn,Mg)Te-based microcavity on MgTe sacrificial buffer: Growth, lift-off, and transmission studies of polaritons. Physical Review Materials, 2018, 2, .	0.9	9
30	Antireflective Photonic Structure for Coherent Nonlinear Spectroscopy of Single Magnetic Quantum Dots. Crystal Growth and Design, 2017, 17, 2987-2992.	1.4	8
31	Design and Control of Mode Interaction in Coupled ZnTe Optical Microcavities. Crystal Growth and Design, 2017, 17, 3716-3723.	1.4	7
32	Magnetic field effect on the lasing threshold of a semimagnetic polariton condensate. Physical Review B, 2017, 96, .	1.1	15
33	Fine structure of an exciton coupled to a single Fe^{2+} ion in a CdSe/ZnSe quantum dot. Physical Review B, 2017, 96, .	1.1	6
34	Angular dependence of giant Zeeman effect for semimagnetic cavity polaritons. Physical Review B, 2017, 95, .	1.1	19
35	Exfoliation of epilayers with quantum dots. Materials Today: Proceedings, 2017, 4, 7053-7058.	0.9	3
36	Origin of luminescence quenching in structures containing CdSe/ZnSe quantum dots with a few Mn^{2+} ions. Physical Review B, 2017, 96, .	1.1	10

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37	Coupling of Quantum Dots with Quantum Wells in a System Based on (Cd,Zn,Mg)Te. Acta Physica Polonica A, 2017, 132, 369-371.	0.2	1
38	Fe dopant in ZnO: 2+ versus 3+ valency and ion-carrier exchange interaction. Physical Review B, 2016, 94, .	1.1	18
39	Distributed Bragg reflectors obtained by combining Se and Te compounds: Influence on the luminescence from CdTe quantum dots. Journal of Applied Physics, 2016, 119, 183105.	1.1	9
40	Comparison of magneto-optical properties of various excitonic complexes in CdTe and CdSe self-assembled quantum dots. Journal of Physics Condensed Matter, 2016, 28, 265302.	0.7	8
41	Effect of electron-hole separation on optical properties of individual Cd(Se,Te) quantum dots. Physical Review B, 2016, 93, .	1.1	6
42	Anisotropy of in-plane hole factor in CdTe/ZnTe quantum dots. Physical Review B, 2016, 93, .	1.1	4
43	Epitaxial growth and photoluminescence excitation spectroscopy of CdSe quantum dots in (Zn,Cd)Se barrier. Journal of Luminescence, 2016, 173, 94-98.	1.5	5
44	Magnetic ground state of an individual Fe ²⁺ ion in strained semiconductor nanostructure. Nature Communications, 2016, 7, 10484.	5.8	53
45	Strong coupling and polariton lasing in Te based microcavities embedding (Cd,Zn)Te quantum wells. Applied Physics Letters, 2015, 107, .	1.5	19
46	Effect of magnetic field on intraionic photoluminescence of (Zn,Co)Se. Solid State Communications, 2015, 208, 7-10.	0.9	5
47	Optical spin orientation of an individual Mn ²⁺ ion in a CdSe/ZnSe quantum dot. Physical Review B, 2015, 91, .	1.1	19
48	Single-color, in situ photolithography marking of individual CdTe/ZnTe quantum dots containing a single Mn ²⁺ ion. Applied Physics Letters, 2015, 106, .	1.5	7
49	Type I CdSe and CdMgSe Quantum Wells. Acta Physica Polonica A, 2014, 126, 1167-1170.	0.2	3
50	Photoluminescence Dynamics of CdSe Quantum Dot with Single Mn ²⁺ Ion under Modulated Excitation. Acta Physica Polonica A, 2014, 126, 1212-1214.	0.2	2
51	Individual cobalt and manganese ions in semiconductor quantum dots and photonic structures. , 2014, , .		2
52	Designing quantum dots for solotronics. Nature Communications, 2014, 5, 3191.	5.8	119
53	Micropillar Cavity Containing a CdTe Quantum Dot with a Single Manganese Ion. Crystal Growth and Design, 2014, 14, 988-992.	1.4	23
54	Inhibition and Enhancement of the Spontaneous Emission of Quantum Dots in Micropillar Cavities with Radial-Distributed Bragg Reflectors. ACS Nano, 2014, 8, 9970-9978.	7.3	30

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91	Optical properties of p-type ZnO and ZnMnO doped by N and/or As acceptors. AIP Conference Proceedings, 2007, , .	0.3	0
92	Quantitative study of the Giant Zeeman Effect in (Zn,Co)O and (Ga,Mn)N. AIP Conference Proceedings, 2007, , .	0.3	0
93	Effect of the s-p π exchange interaction on the excitons in Zn $_{1-x}$ Co $_x$ O epilayers. Physical Review B, 2006, 73, .	1.1	94
94	Anisotropy dependent magnetization relaxation in (Cd,Mn)Te quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4094-4097.	0.8	0
95	Intrinsic magnetism in wurtzite (Ga,Mn)N. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4062-4065.	0.8	3
96	Magnetization dynamics in (Cd,Mn)Te quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 882-886.	0.7	14
97	Optical probing of spin-dependent interactions in II-VI semiconductor structures. Physica Status Solidi (B): Basic Research, 2006, 243, 906-913.	0.7	0
98	Magneto-optical spectroscopy of (Zn,Co)O epilayers. Physica Status Solidi (B): Basic Research, 2006, 243, 863-867.	0.7	4
99	Relaxation dynamics of ferromagnetic domains in (Cd,Mn)Te quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 454-457.	1.3	11
100	Magneto-optical properties of the diluted magnetic semiconductor -type ZnMnO. Solid State Communications, 2006, 139, 541-544.	0.9	20
101	Excitonic Giant Zeeman Effect in Wide Gap Diluted Magnetic Semiconductors Based on ZnO and GaN. Acta Physica Polonica A, 2006, 110, 303-309.	0.2	6
102	Time-Resolved Studies of Excitonic Dynamics in a Wide II-VI Quantum Well by a Femtosecond Pump-Probe Reflectivity. Acta Physica Polonica A, 2006, 110, 395-401.	0.2	0
103	Spin Carrier Exchange Interactions in (Ga,Mn)N and (Zn,Co)O Wide Band Gap Diluted Magnetic Semiconductor Epilayers. Journal of Superconductivity and Novel Magnetism, 2005, 18, 15-21.	0.5	15
104	Ferromagnetic phase in II-VI semiconductors controlled by carriers. Physica Status Solidi (B): Basic Research, 2004, 241, 692-699.	0.7	1
105	Spin engineering of carrier-induced magnetic ordering in (Cd,Mn)Te quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 943-946.	1.3	18
106	Determination of Si δ -Doping Concentration in GaN by Electroreflectance. Physica Status Solidi (B): Basic Research, 2002, 234, 868-871.	0.7	3
107	Coherent Dynamics of a Single Mn-Doped Quantum Dot Revealed by Four-Wave Mixing Spectroscopy. ACS Photonics, 0, , .	3.2	4